06/01/06

NMFS FISHERIES OBSERVER PROGRAM

CATCH ESTIMATION WORKSHEET

OBS/TRIP ID	
DATE LANDED mm/yy	/
HAUL #	

CATCH ESTIMATION METHOD

Weighed (Actual)	1 ___
Volume to Volume	2 ___
Basket or Tote Count	3 ___
Captain	4 ___
Tally	5 ___
Combination (comment)	8 ___
Other (comment)	9 ___

_____

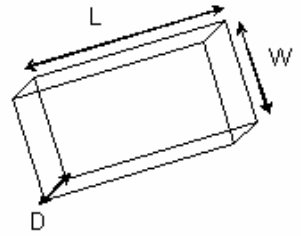
** CATCH SHAPE, MEASUREMENTS & VOLUME

Comment and draw catch shape.

Rect./square (L x W x D)	1 ___	L _____	W_1 _____			D _____	=	V _____	ft^3
Trapezoidal ([(W_1 + W_2)]/2 x L x D)	2 ___	L _____	W_1 _____	W_2 _____		D _____	=	V _____	ft^3
Triangular (L x W / 2 x D)	3 ___	L _____	W _____			D _____	=	V _____	ft^3
Circular (**B** r^2 x D)	4 ___	r _____				D _____	=	V _____	ft^3
Oval (r_1 x r_2 x **B** x D)	5 ___	r_1 _____	r_2 _____			D _____	=	V _____	ft^3
Other/Combination (comment)	9 ___	_____							

Check here if measurements are same as previous haul except as noted. _____

Example of Rectangular Shaped Container



** # SUB-SAMPLING CONTAINERS USED

_____

** VOL SUB-SAMPLE CONTAINER

Orange Basket	1___	1.47 ft^3
Fish Tote	2___	2.65 ft^3
Other	9___	ft^3

_____

** TOTAL SUB-SAMPLE VOLUME = # sub-sample containers used x volume of a sub-sample container

_____ ft^3

** SAMPLE WEIGHT MULTIPLIER = total catch vol / total sub-samp vol

_____

Circular Shapes	**Angular Shapes**	**Trapezoidal Shapes**
r = radius	A = area	W_1 = short width
r = diameter / 2	V = volume	W_2 = long width
r_1 = short radius	W = width	
r_2 = long radius	D = catch depth	
B = 3.14		

** SPECIES	** SUB-SAMP WGT (lbs)	** SPECIES	** SUB-SAMP WGT (lbs)

COMMENTS

** Required only when using the volume to volume method.